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Anti-TLR10 Antibody
Catalog # ABO11264

Specification

Anti-TLR10 Antibody - Product Information

Application	**WB**
Primary Accession	Q9BXR5
Host	**Rabbit**
Reactivity	**Human**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Toll-like receptor 10(TLR10) detection. Tested with WB in Human.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-TLR10 Antibody - Additional Information

Gene ID 81793

Other Names
Toll-like receptor 10, CD290, TLR10

Calculated MW
94564 MW KDa

Application Details
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization
Membrane ; Single-pass type I membrane protein .

Tissue Specificity
Highly expressed in spleen, lymph node, thymus, tonsil and at lower levels in lung. Highly expressed in promyelocytic HL-60 cells and in B-cell lines.

Protein Name
Toll-like receptor 10

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the N-terminus of human TLR10(88-102aa DLKTFEFNKELRYLD).

Purification

Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage

At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.

Sequence Similarities
Belongs to the Toll-like receptor family.

Anti-TLR10 Antibody - Protein Information

Name TLR10

Function
Participates in the innate immune response to microbial agents. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response (By similarity).

Cellular Location
Membrane; Single-pass type I membrane protein

Tissue Location
Highly expressed in spleen, lymph node, thymus, tonsil and at lower levels in lung. Highly expressed in promyelocytic HL-60 cells and in B-cell lines

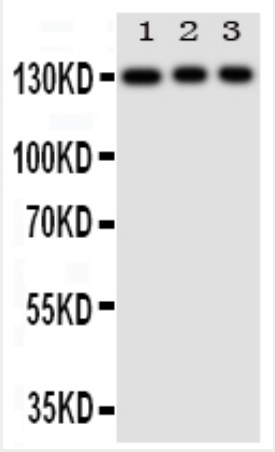
Anti-TLR10 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-TLR10 Antibody - Images

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Anti-TLR10 antibody, ABO11264, Western blottingLane 1: HELA Cell LysateLane 2: JURKAT Cell LysateLane 3: CEMJ Cell Lysate

Anti-TLR10 Antibody - Background

TLR10(Toll-like receptor 10), is a protein that in humans is encoded by the TLR10 gene. The protein encoded by this gene is a member of the Toll-like receptor(TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. By genomic sequence analysis, Hasan et al.(2005) determined that the TLR10 gene is clustered with TLR1 and TLR6 on chromosome 4p14. By coimmunoprecipitation analysis, Hasan et al.(2005) found that TLR10 associated with itself and with TLR1 and TLR2, but not with MD2. Signaling studies showed that TLR10 required MYD88, but not TIRAP, TRAM(TICAM2), or TRIF(TICAM1), to activate immune system promoters. Pro674 within the TLR10 TIR domain was required to activate all promoter examined.